

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
 Data File : BF090203.D
 Acq On : 23 Sep 2016 17:49
 Operator : UM/SJ
 Sample : H4867-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-WSG-16121-06

Manual Integrations
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Quant Time: Sep 23 18:58:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 18:09:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	124079	20.00	ng	-0.03
21) Naphthalene-d8	7.78	136	463064	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	237693	20.00	ng	-0.03
63) Phenanthrene-d10	10.98	188	300242	20.00	ng	-0.05
75) Chrysene-d12	13.60	240	238816	20.00	ng	-0.03
86) Perylene-d12	14.93	264	264012	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	998307	131.15	ng	-0.01
7) Phenol-d6	6.16	99	1389675	147.82	ng	-0.01
23) Nitrobenzene-d5	7.06	82	719137	90.03	ng	-0.03
41) 2,4,6-Tribromophenol	10.31	330	269620	132.22	ng	-0.03
44) 2-Fluorobiphenyl	8.86	172	982802	81.17	ng	-0.03
78) Terphenyl-d14	12.57	244	594220	63.17	ng	-0.03
Target Compounds						
22) Acetophenone	6.91	105	136533	12.23	ng	Qvalue # 95
49) Dimethylphthalate	9.26	163	405452	26.78	ng	98
74) Fluoranthene	12.18	202	58332	3.87	ng	96
77) Pyrene	12.41	202	49238	3.01	ng	97
80) Benzo(a)anthracene	13.59	228	35380m	2.75	ng	
82) Chrysene	13.62	228	40649m	3.25	ng	
85) Indeno(1,2,3-cd)pyrene	16.07	276	26427	2.61	ng	# 91
87) Benzo(b)fluoranthene	14.58	252	53935m	3.69	ng	
89) Benzo(a)pyrene	14.87	252	33875	2.46	ng	# 84
91) Benzo(g,h,i)perylene	16.42	276	23448	2.23	ng	# 86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

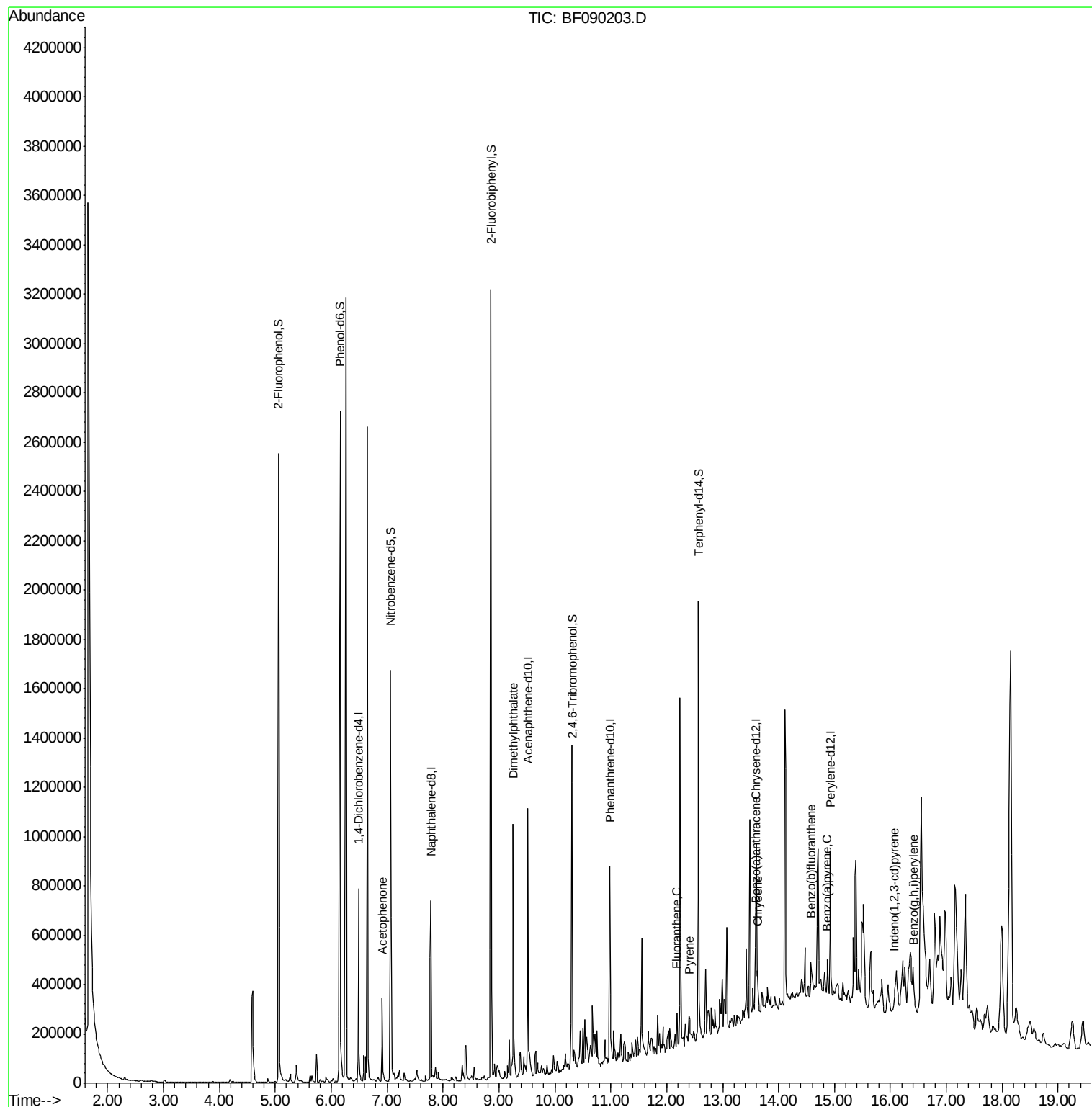
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090203.D
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Sample : H4867-03
Misc :
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#1

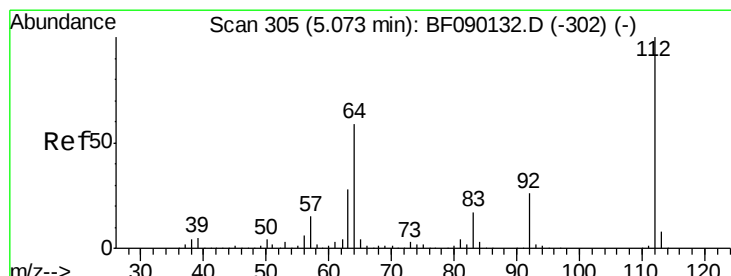
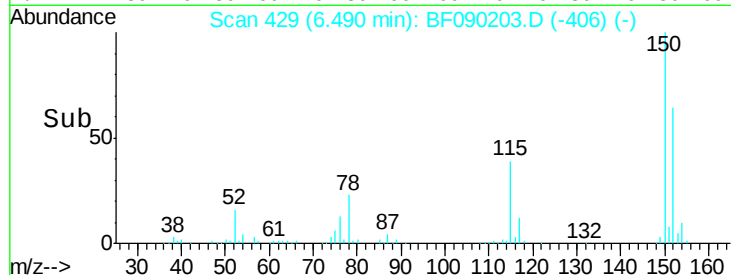
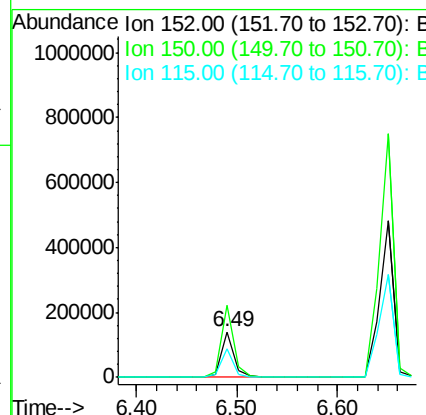
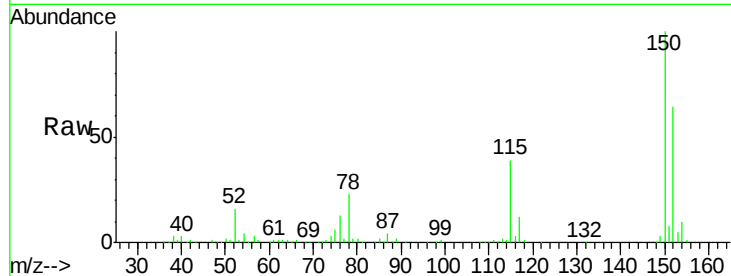
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.49 min Scan# 429
 Delta R.T. -0.03 min
 Lab File: BF090203.D
 Acq: 23 Sep 2016 17:49

Instrument :
 BNA_F
 ClientSampleId :
 TS-WSG-16121-06

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.9	193.3
115	62.1	55.5	83.3

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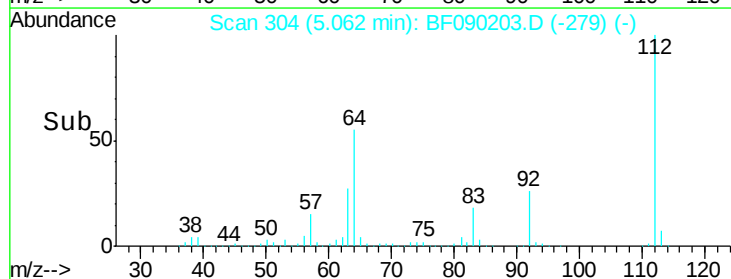
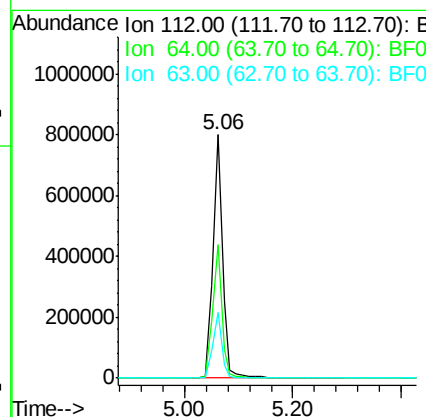
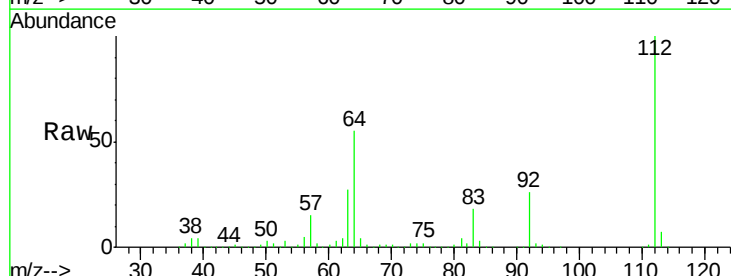
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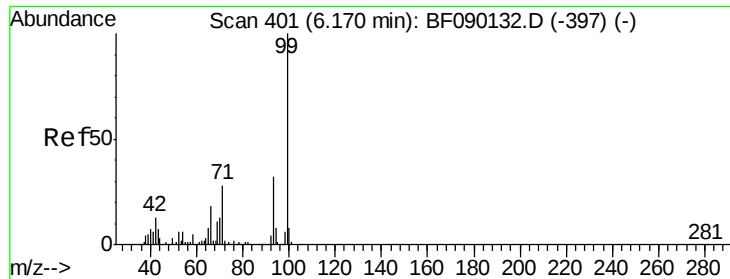


#5

2-Fluorophenol
 Concen: 131.15 ng
 RT: 5.06 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: BF090203.D
 Acq: 23 Sep 2016 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	39.8	59.6
63	27.0	18.9	28.3





#7

Phenol-d6

Concen: 147.82 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

ClientSampleId :

TS-WSG-16121-06

Tot Ion: 99 Resp: 1389675

Ion Ratio Lower Upper

99 100

42 12.6 10.6 15.8

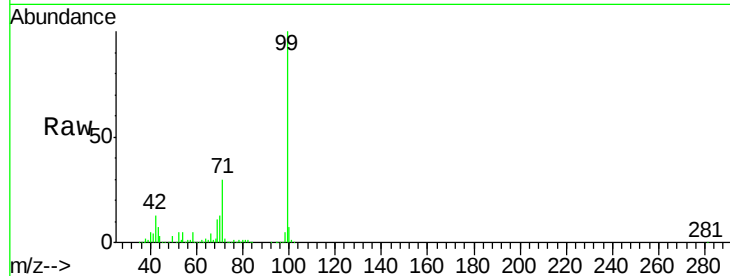
71 30.1 23.0 34.6

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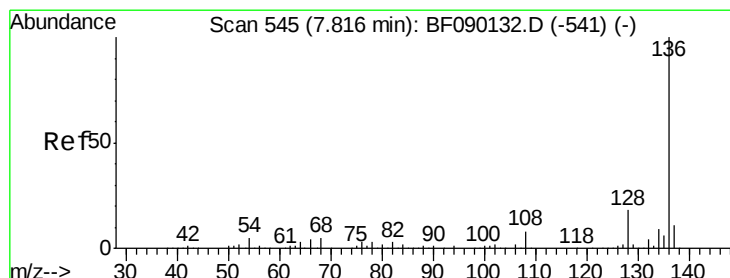
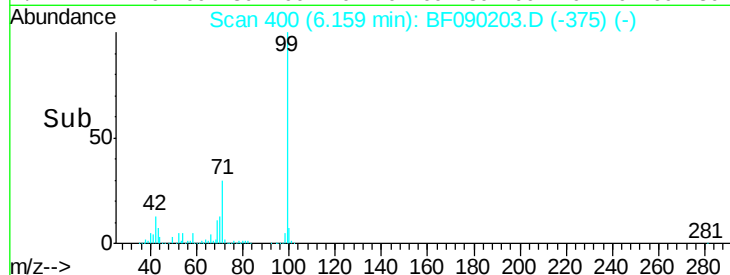
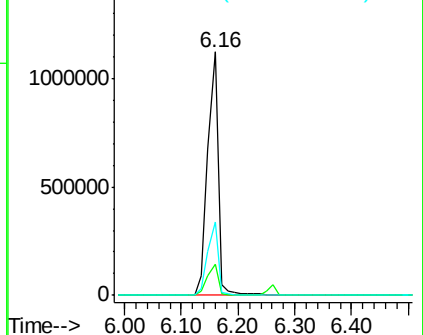
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Tgt Ion: 136 Resp: 463064

Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 4.9 6.4 9.6#

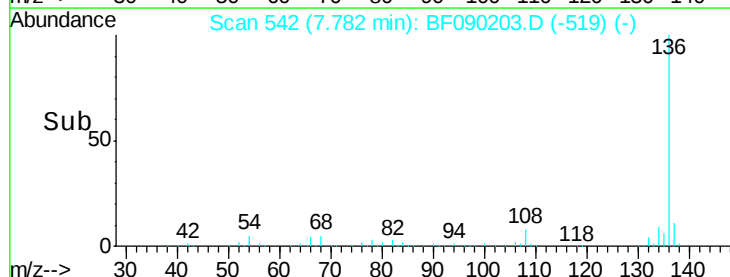
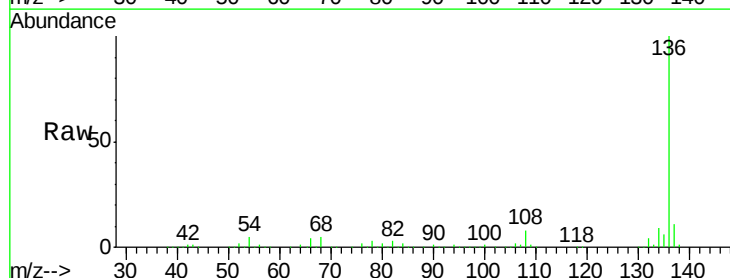
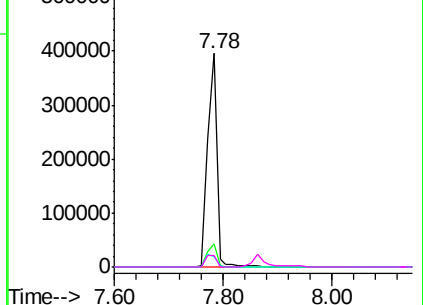
68 5.1 6.3 9.5#

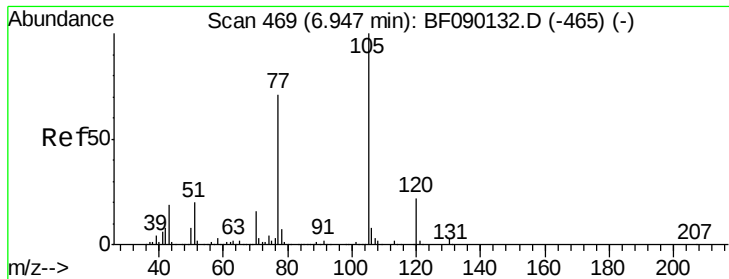
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 12.23 ng

RT: 6.91 min Scan# 466

Delta R.T. -0.03 min

Lab File: BF090203.D

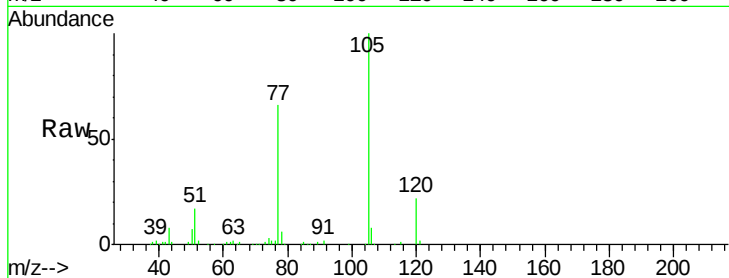
Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

ClientSampleId :

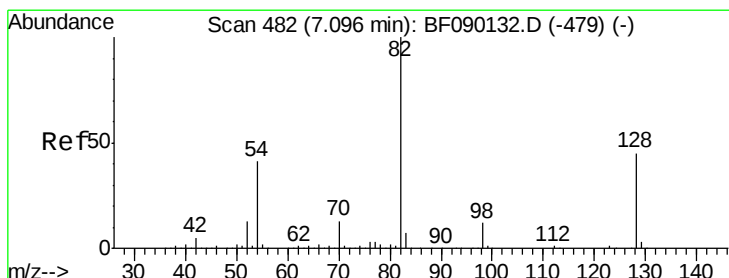
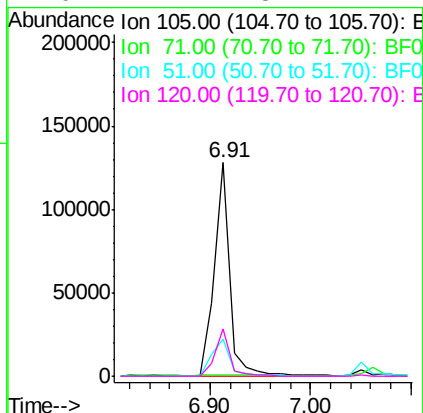
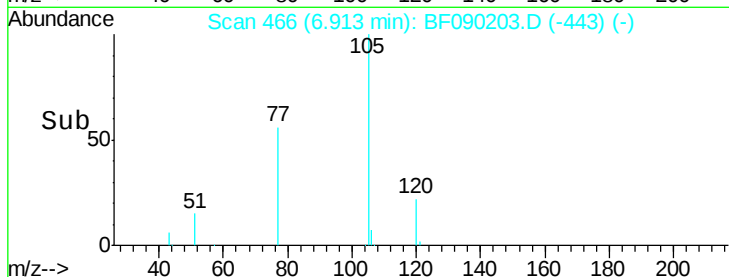
TS-WSG-16121-06



Tot Ion:	105	Resp:	136533
Ion Ratio	Lower	Upper	
105	100		
71	0.4	4.1	6.1#
51	17.3	16.2	24.2
120	22.2	18.2	27.2

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#23

Nitrobenzene-d5

Concen: 90.03 ng

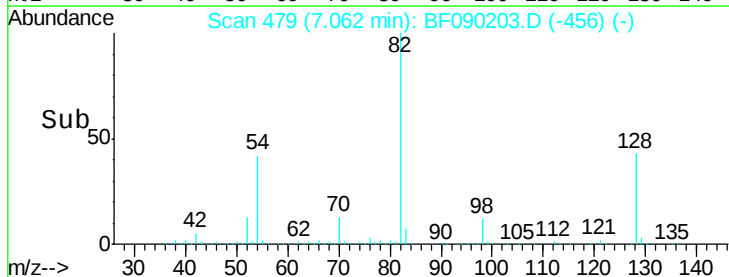
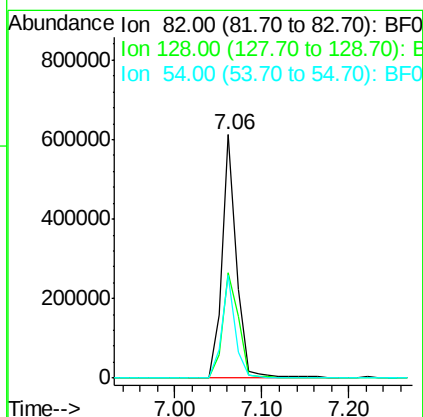
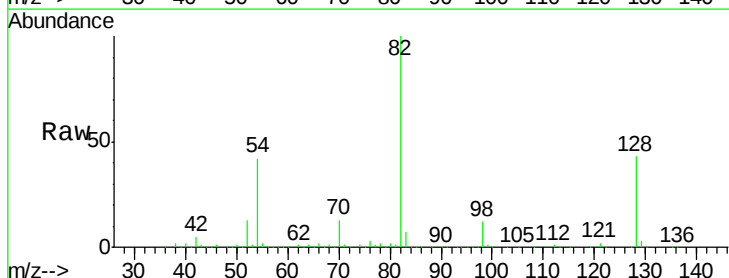
RT: 7.06 min Scan# 479

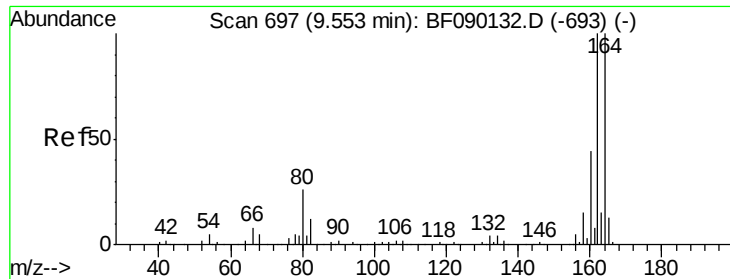
Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Tgt Ion:	82	Resp:	719137
Ion Ratio	Lower	Upper	
82	100		
128	43.2	37.5	56.3
54	42.2	31.9	47.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

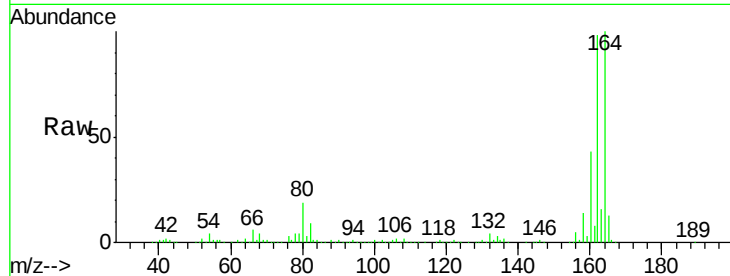
ClientSampleId :

TS-WSG-16121-06

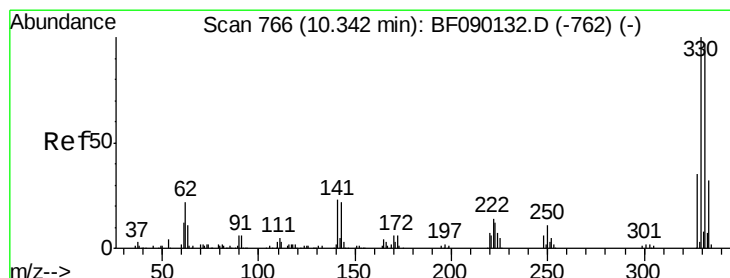
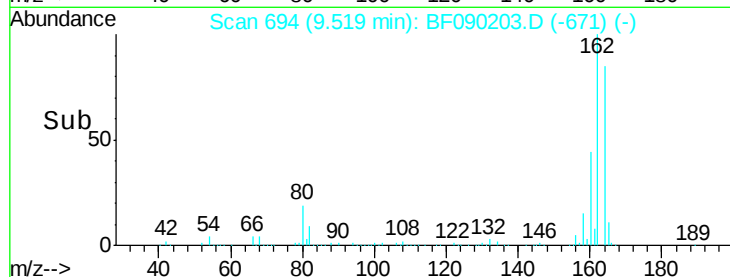
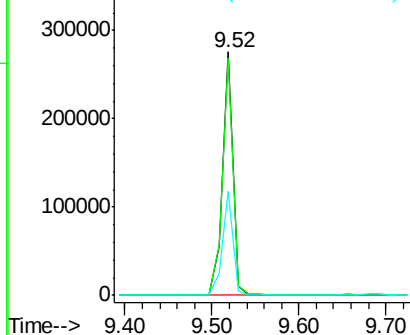
Tot Ion:	164	Resp:	237693
Ion Ratio	Lower	Upper	
164	100		
162	97.6	81.4	122.2
160	42.7	36.6	54.8

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 132.22 ng

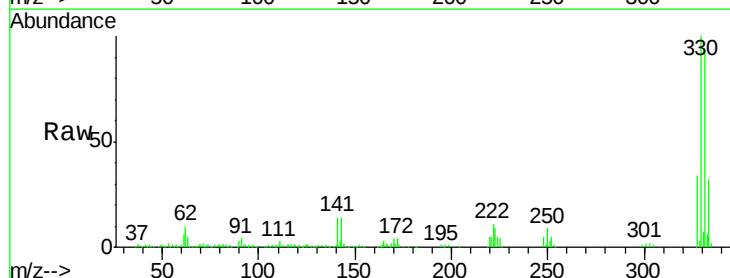
RT: 10.31 min Scan# 763

Delta R.T. -0.03 min

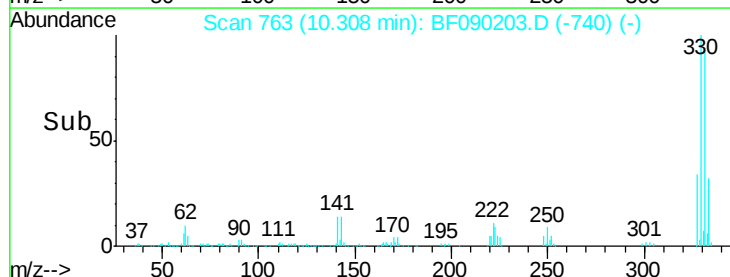
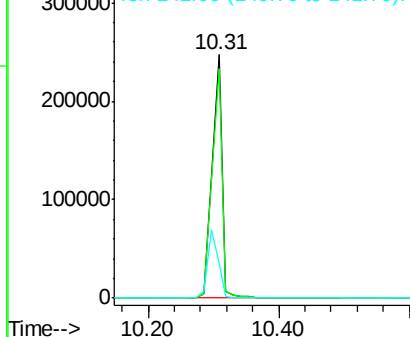
Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Tgt Ion:	330	Resp:	269620
Ion Ratio	Lower	Upper	
330	100		
332	95.6	78.1	117.1
141	29.8	23.9	35.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





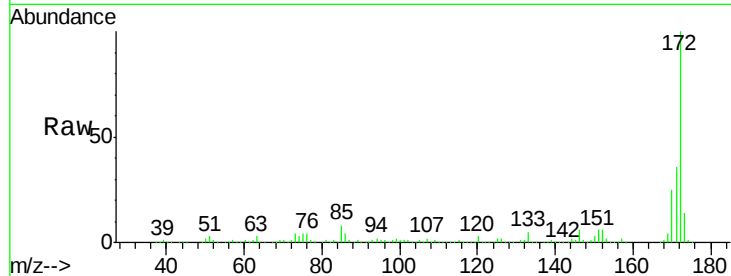
#44
2-Fluorobiphenyl
Concen: 81.17 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.03 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-06

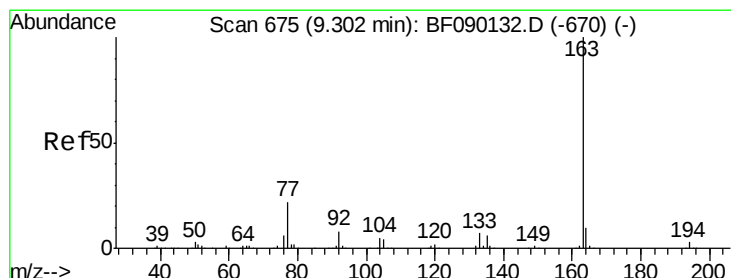
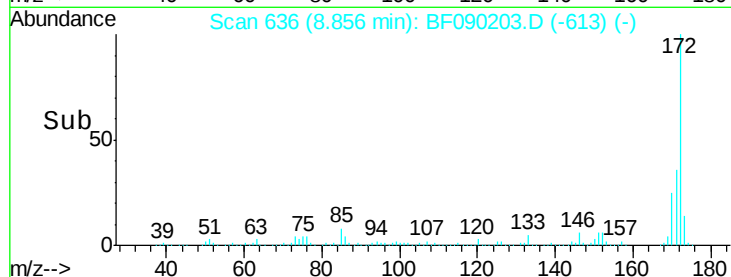
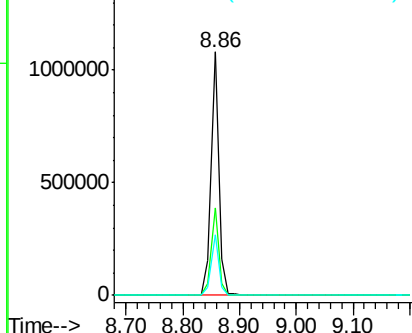
Tot Ion	Ratio	Resp	Lower	Upper
172	100	982802		
171	35.9		29.2	43.8
170	24.7		19.8	29.8

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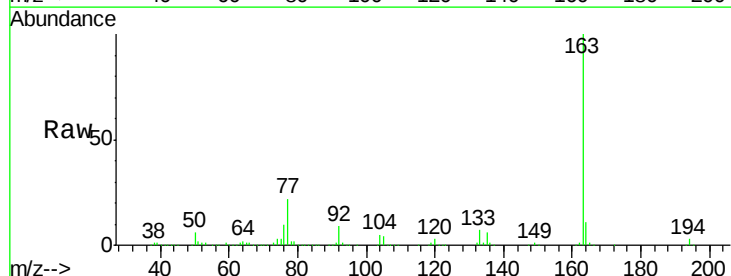


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

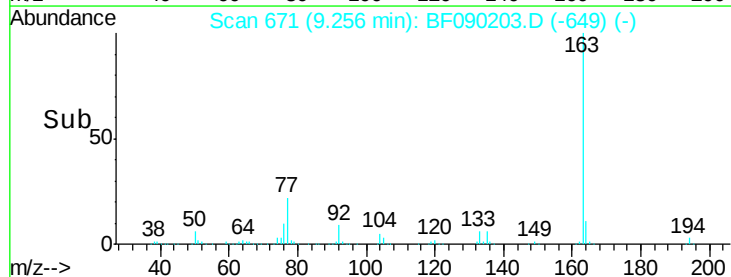
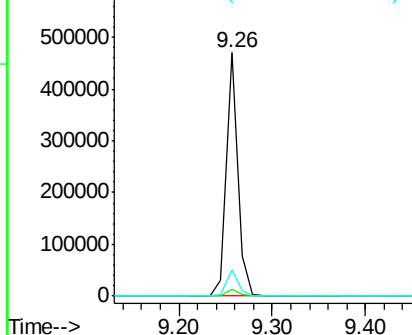


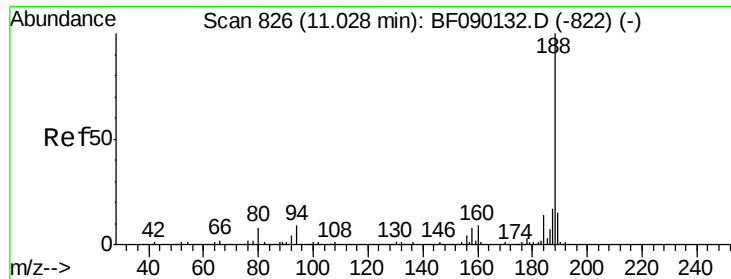
#49
Dimethylphthalate
Concen: 26.78 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.05 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	405452		
194	3.0		2.8	4.2
164	10.8		8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





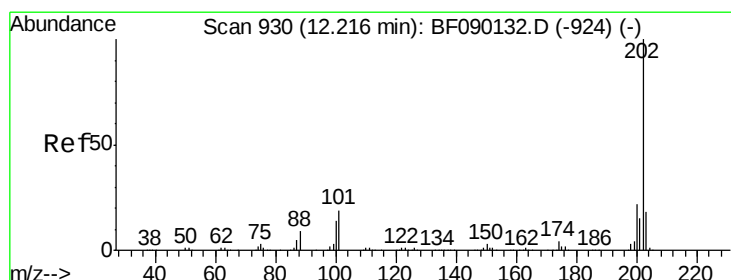
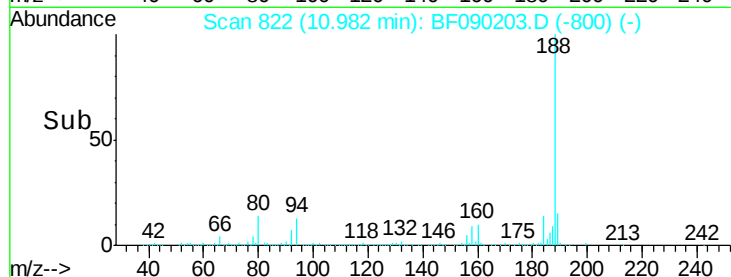
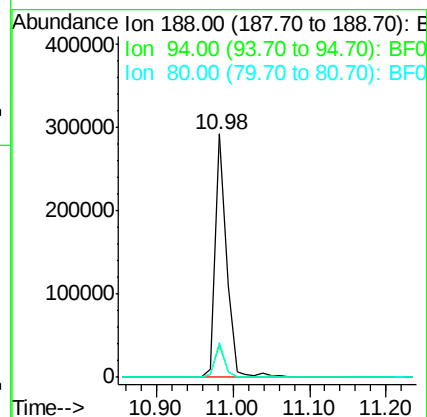
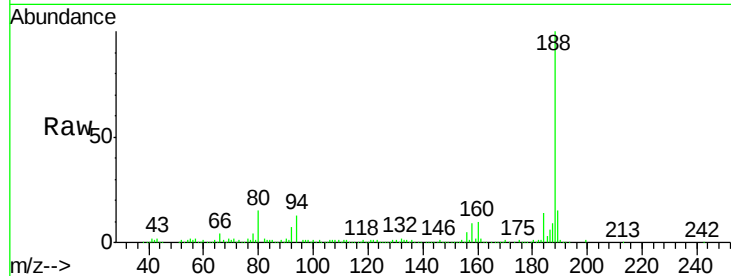
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.98 min Scan# 822
Delta R.T. -0.05 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	300242		
94	13.3		10.5	15.7
80	14.6		11.2	16.8

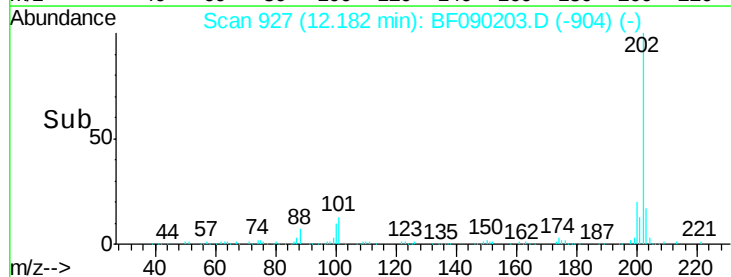
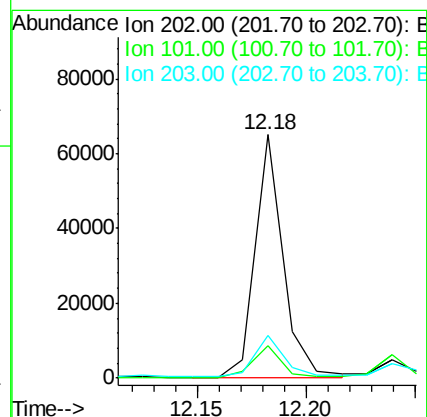
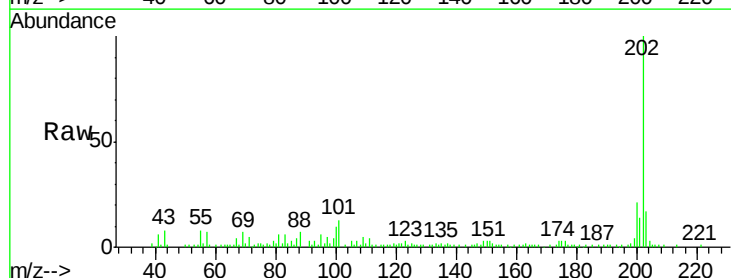
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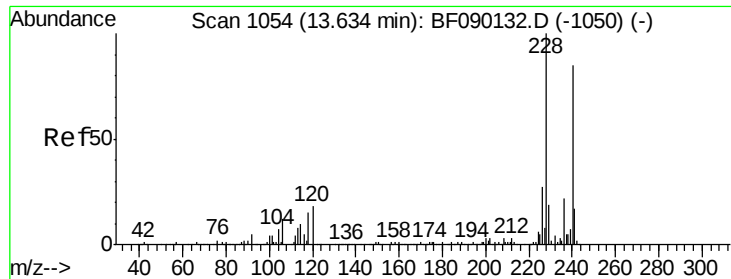
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#74
Fluoranthene
Concen: 3.87 ng
RT: 12.18 min Scan# 927
Delta R.T. -0.03 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	58332		
101	13.2		0.0	36.1
203	17.5		0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

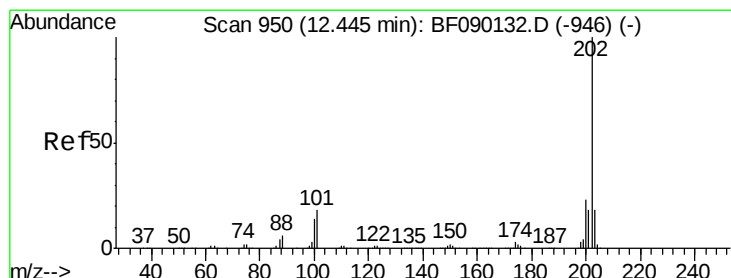
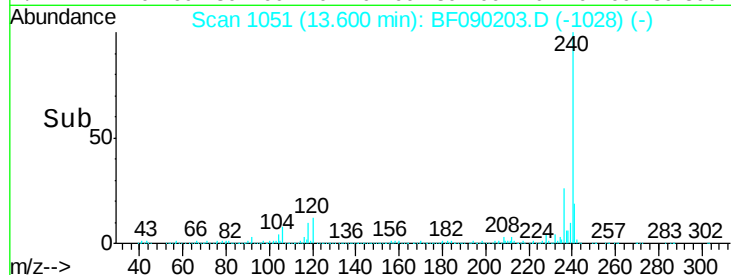
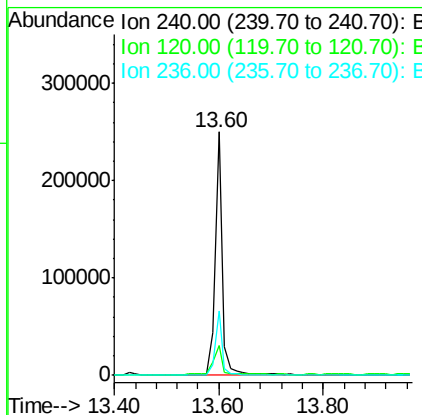
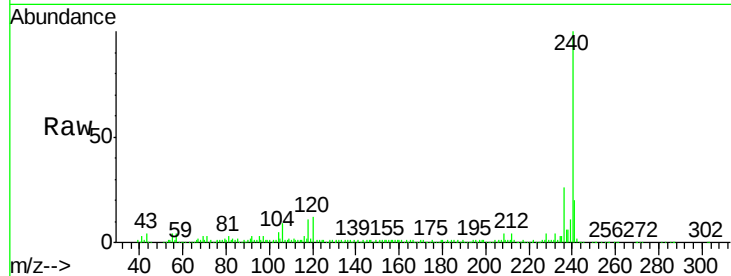
ClientSampleId :

TS-WSG-16121-06

Tot Ion:	240	Resp:	238816
Ion Ratio	Lower	Upper	
240	100		
120	12.1	10.6	16.0
236	26.3	21.6	32.4

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#77

Pyrene

Concen: 3.01 ng

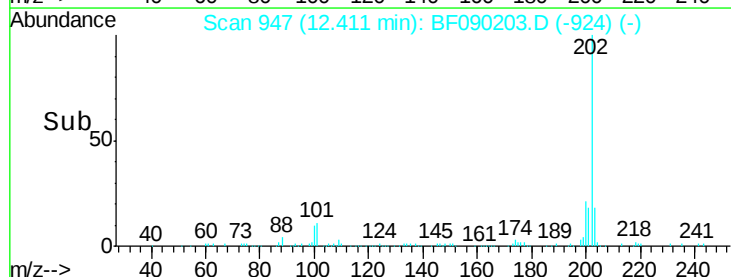
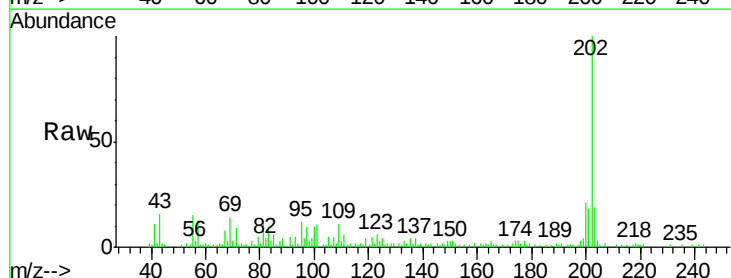
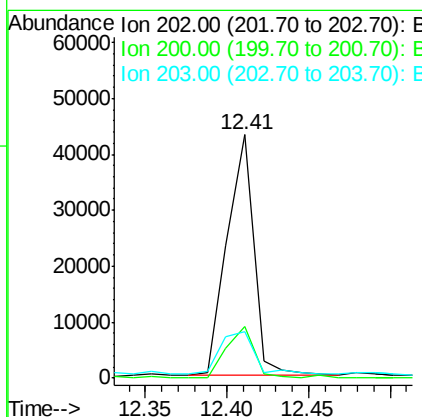
RT: 12.41 min Scan# 947

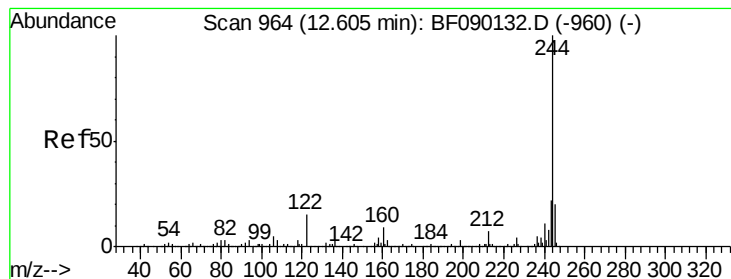
Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Tgt Ion:	202	Resp:	49238
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.9	26.9
203	19.3	14.2	21.4





#78

Terphenyl-d14

Concen: 63.17 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

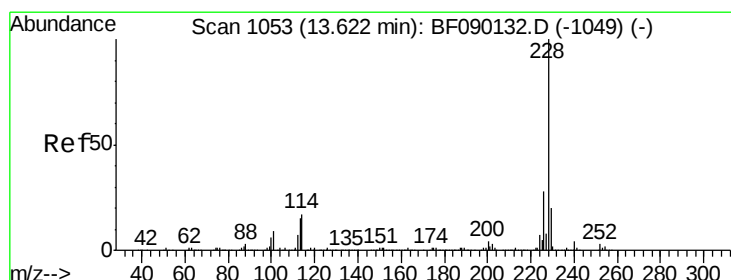
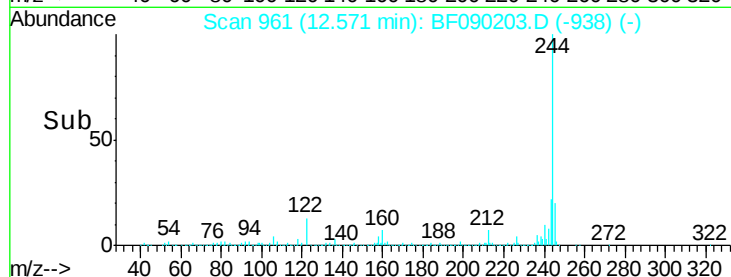
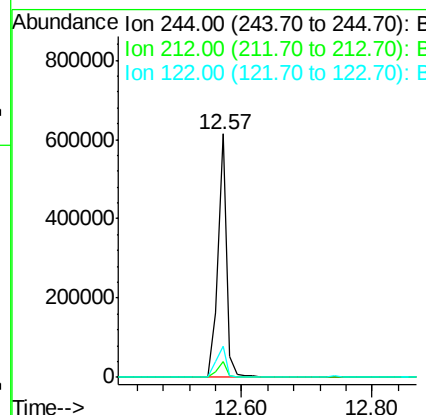
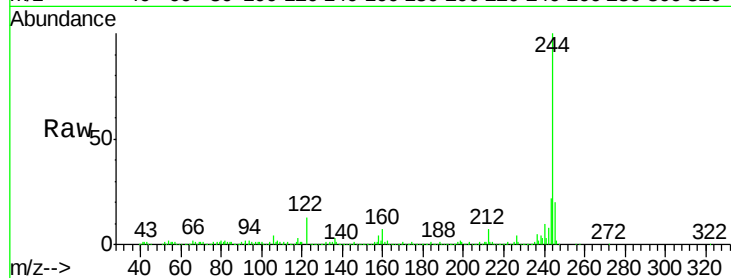
ClientSampleId :

TS-WSG-16121-06

Tot Ion:	244	Resp:	594220
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.8	8.8
122	13.0	9.4	14.0

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 2.75 ng m

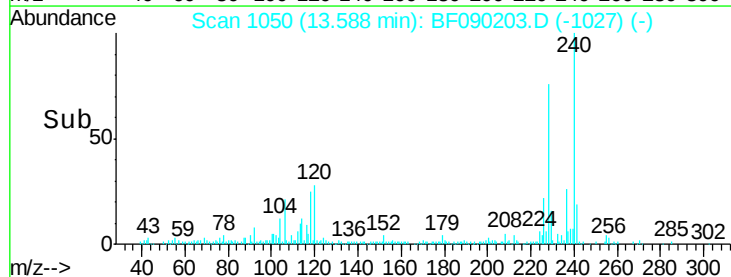
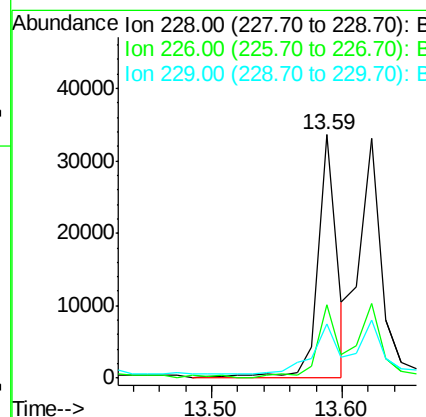
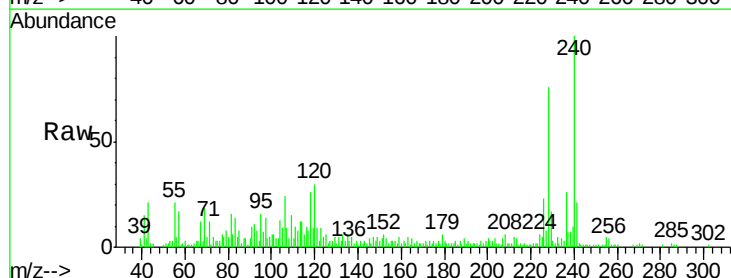
RT: 13.59 min Scan# 1050

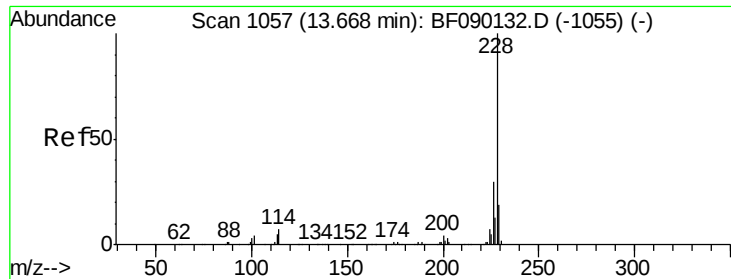
Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Tgt Ion:	228	Resp:	35380
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.0	33.0
229	22.0	16.2	24.2





#82

Chrysene

Concen: 3.25 ng/mL

RT: 13.62 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

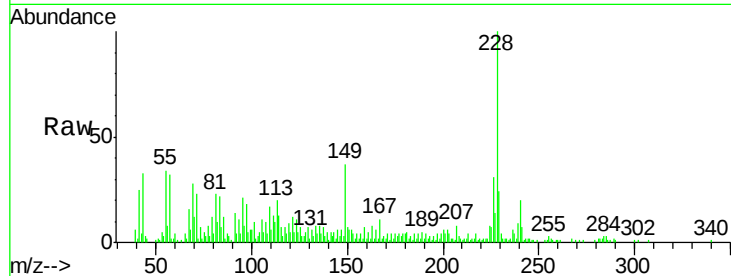
ClientSampleId :

TS-WSG-16121-06

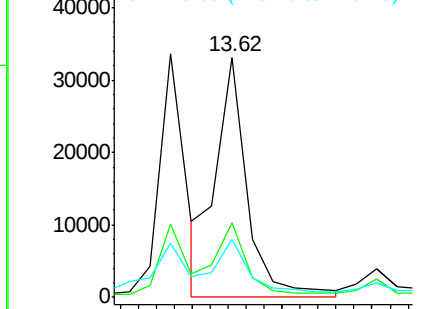
Tot Ion:	228	Resp:	40649
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.6	37.0
229	24.1	16.2	24.4

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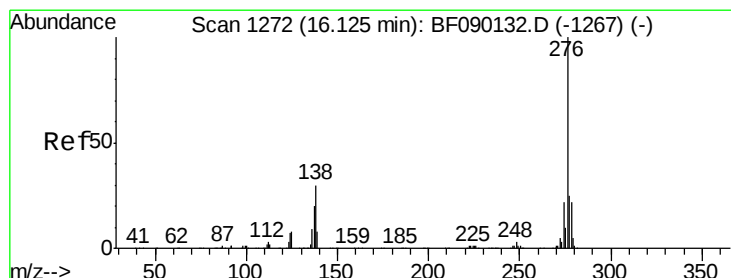
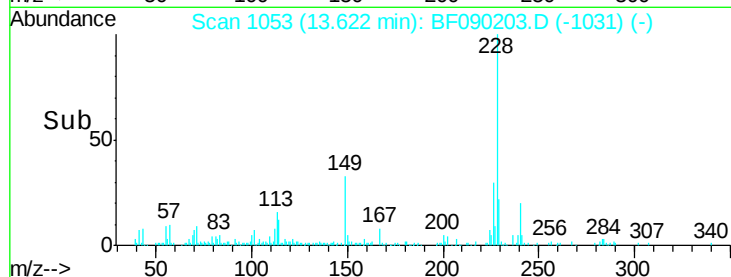
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.61 ng/mL

RT: 16.07 min Scan# 1267

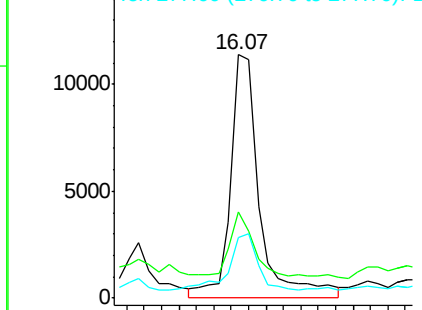
Delta R.T. -0.06 min

Lab File: BF090203.D

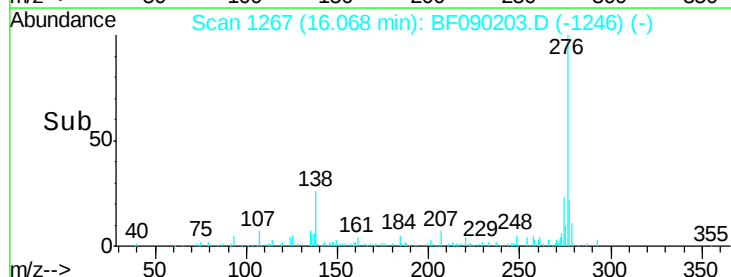
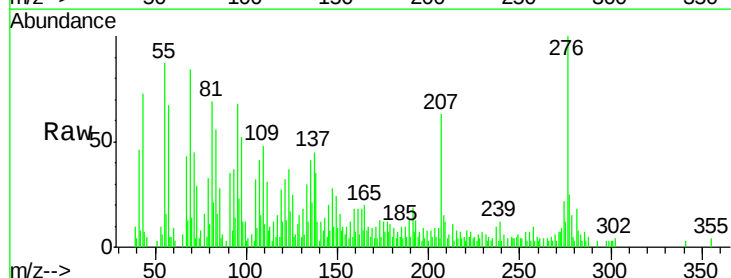
Acq: 23 Sep 2016 17:49

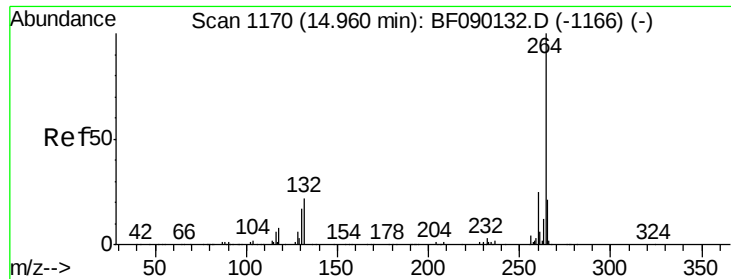
Tgt Ion:	276	Resp:	26427
Ion	Ratio	Lower	Upper
276	100		
138	24.8	25.9	38.9#
277	23.5	19.9	29.9

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





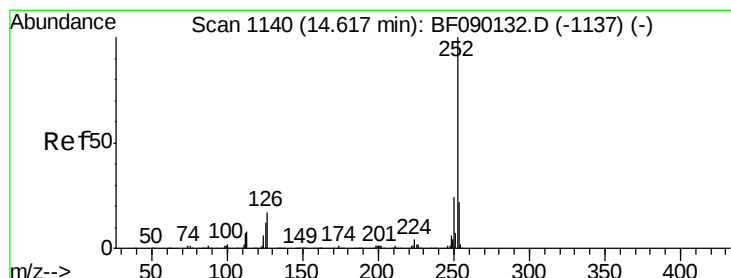
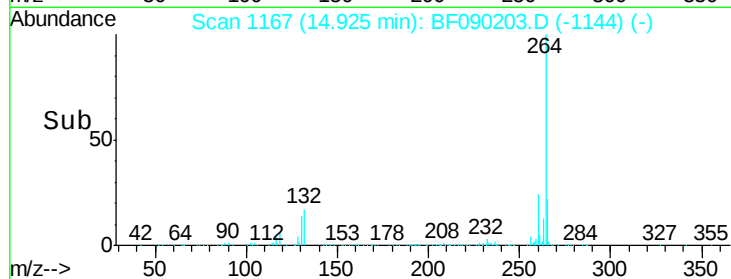
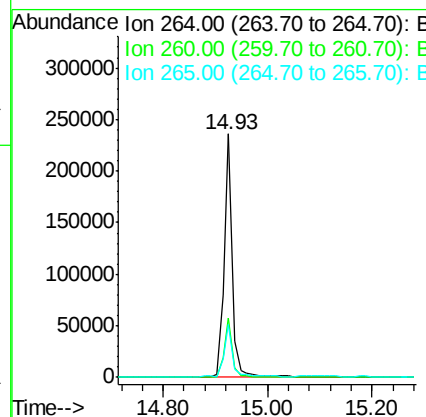
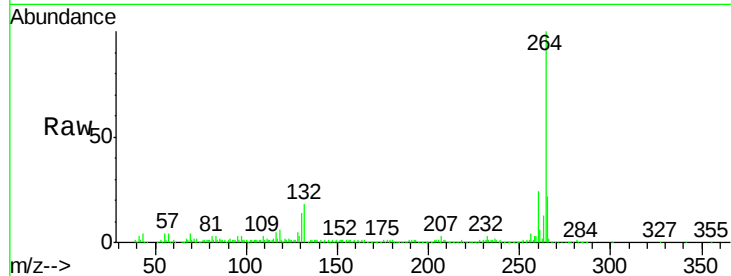
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-06

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.9	17.0	25.4

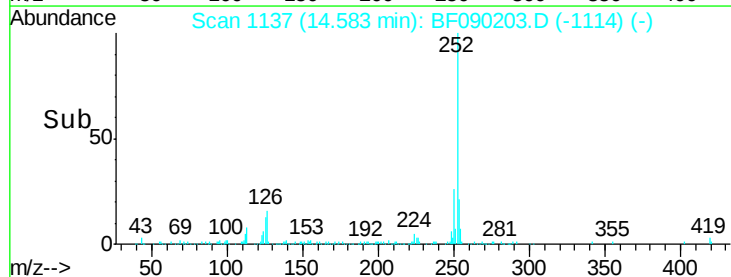
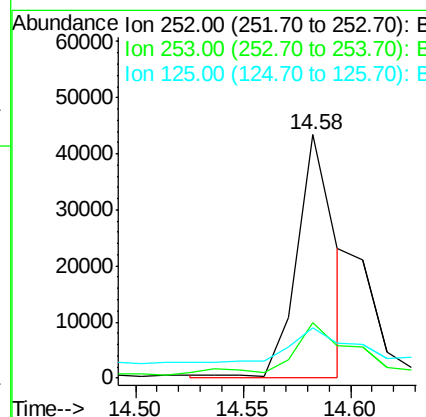
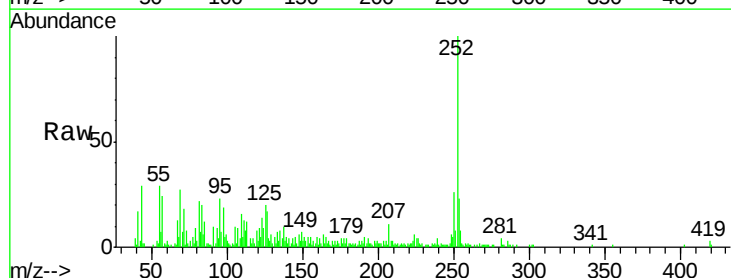
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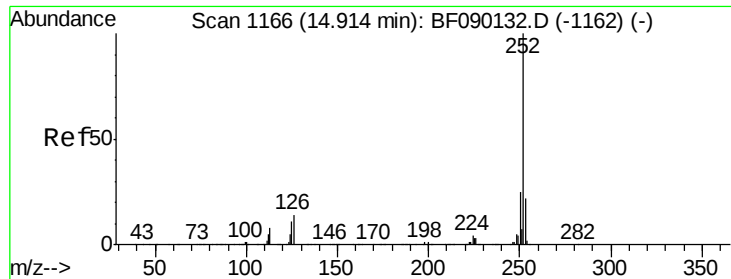
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#87
Benzo(b)fluoranthene
Concen: 3.69 ng m
RT: 14.58 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	20.4	12.7	19.1





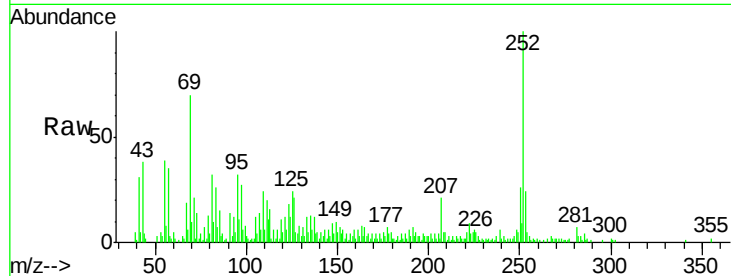
#89
Benzo(a)pyrene
Concen: 2.46 ng
RT: 14.87 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-06

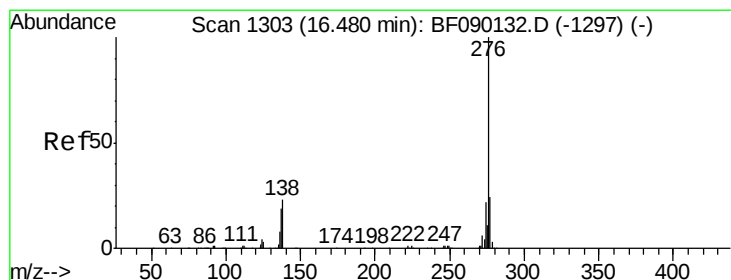
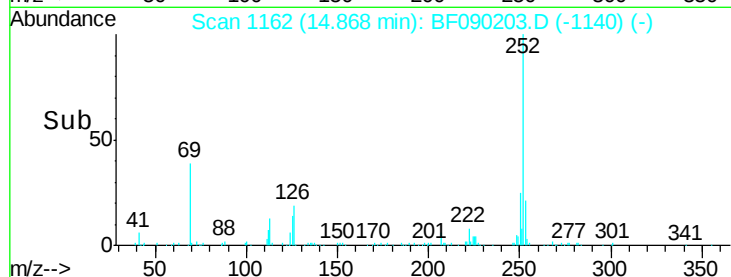
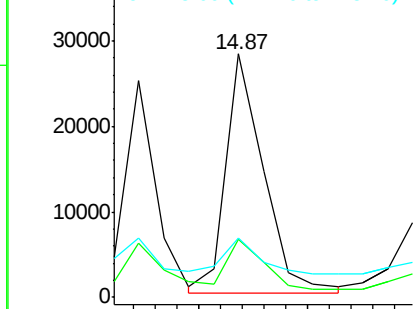
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	24.2	7.7	11.5

Manual Integrations
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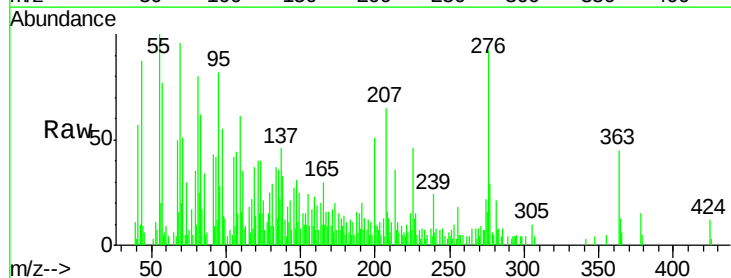


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.23 ng
RT: 16.42 min Scan# 1298
Delta R.T. -0.06 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.2	18.9	28.3
138	35.5	23.3	34.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

